

determine a winning team based on said team bid  
allocate items to said team members; and  
a media readable by said processing device that stores said instructions.

11. The product for a team auction system of claim 10 wherein said instruction for determining a team bid comprises aggregating bids of team members.

12. The product for a team auction system of claim 10 wherein said instruction for allocating items is based on aggregated bids of teams.

13. The product for a team auction system of claim 10 wherein said instruction for determining a winning team is during a clearing phase.

14. The product for a team auction system of claim 10 wherein said instruction for allocating items to said team members further comprises determining said allocation based on bids made by each said team member.

15. The product for a team auction system of claim 10 wherein a participant chooses a team at the beginning of the team auction.

16. The product for a team auction system of claim 10 wherein said instructions for directing a processing device further comprise:

selecting a quantity of teams to proceed to at least one additional round.

17. The product for a team auction system of claim 16 wherein said instructions for directing a processing device further comprise:

allocating a prize to a team that wins said at least one additional round.

18. The product for a team auction system of claim 10 wherein said team cooperates with another team.

19. The product for a team auction system of claim 18 wherein said team competes with said another team.

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Cont'd 20. The product for a team auction system of claim 10 wherein said instructions for directing a processing device further comprise:

forming at least one bidding group wherein said at least one bidding group cooperates with another bidding group.

21. The product for a team auction system of claim 20 wherein said at least one bidding group competes with said another bidding group.

22. The product for a team auction system of claim 10 wherein said instructions for directing a processing device further comprise:

enabling at least one on-line bidding community, wherein said at least one on-line bidding community cooperates with another on-line bidding community.

23. The product for a team auction system of claim 10 wherein said at least one on-line bidding community competes with said another on-line bidding community.

24. The product for a team auction system of claim 10 wherein said instructions for directing a processing device further comprise:

partitioning at least one participant based on an interest of said at least one participant.

25. The product for a team auction system of claim 10 wherein said instructions for directing a processing device further comprise:

partitioning at least one participant based on a predetermined process for partitioning said at least one participant.

26. The product for a team auction system of claim 10 wherein said instructions for directing a processing device further comprise:

summing each bid of said team members of said team;

averaging said sum of each bid of said team members of said team;

determining said team bid based on said average of said sum of each bid of said team members of said team.

27. A product for a conversion auction system comprising:

instructions for directing a processing device to:

calculate a reserve price for at least one item, based on an algorithm, wherein said algorithm utilizes at least one bid of a participant;

optimize a benefit to a seller through said algorithm, wherein conversion benefits are integrated into said calculation of a reserve price without differentiating among said bidders; and

a media readable by said processing device that stores said instructions.

28. The product for a conversion auction system of claim 27 wherein said algorithm incorporates a general specification of a value obtained by said seller in response to allocating said at least one item to a particular participant.

29. The product for a conversion auction system of claim 27 wherein a monetary benefit is associated with said allocation of said at least one item to a participant who has not purchased any items over a predetermined time.

30. The product for a conversion auction system of claim 28 wherein said general specification determines said reserve price responsive to a bid and maintains a no price differentiation requirement.

31. A product for a temporal negotiation system comprising:

instructions for directing a processing device to:

receive a bid from a bidder for an item for sale;

receive a bid expiration condition for said bid in conjunction with receipt of said bid;

cancel said bid responsive to fulfilling said bid expiration condition

receive a sale offer from a seller for said item for sale;

receive a sale expiration condition for said sale offer in conjunction with receipt of said offer;

cancel said sale offer responsive to fulfilling said sale expiration condition, wherein both of said bidder and said seller make several bids and sale

offers respectively including a guarantee that once one bid is accepted other bids and other sale offers are removed; and

a media readable by said processing device that stores said instructions.

32. The product for a temporal negotiation system of claim 31 wherein said bid includes an expiration condition.

33. The product for a temporal negotiation system of claim 31 wherein said sale offer includes an expiration condition.

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34. The product for a temporal negotiation system of claim 31 wherein said instructions for directing a processing device further comprise:  
receiving a counter-offer, wherein said counter-offer includes an expiration condition.

35. The product for a temporal negotiation system of claim 31 wherein said instructions for directing a processing device further comprise:  
receiving an ask price, wherein said ask price includes an expiration condition.

36. The product for a temporal negotiation system of claim 31 wherein said instructions for directing a processing device further comprise:  
specifying an expiration date.

37. The product for a temporal negotiation system of claim 31 wherein said bidder can retract said bid at any time before said bid is accepted.

38. The product for a temporal negotiation system of claim 31 wherein said seller can retract said sale offer at any time before said sale offer is accepted.

39. The product for a temporal negotiation system of claim 31 wherein said bidder specifies at least one item for sale that said bidder offers for sale as part of said bid from said bidder.

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40. The product for a temporal negotiation system of claim 31 wherein said instructions for directing a processing device further comprise:

receiving a highest bid for said item for sale by a highest bidder;

receiving a second highest bid for said item for sale;

revealing only said second highest bid for said item for sale to said seller, at a determined point in time;

allocating said item for sale to a highest bidder responsive to an acceptance by said seller of said highest bid from said highest bidder at said determined point in time; and

payment by said highest bidder of a value equal to said second highest bid for said item for sale at said determined point in time.

41. A product for a bargain market auction system comprising:

instructions for directing a processing device to:

receive an offer for items for sale including an ask price over a continuous period of time;

receive a bid for a plurality items including a request from a bidder to receive only one of said plurality of items;

removal of offers responsive to an acceptance of one of said bids;

set an expiration date for said bid;

receive an offer for sale of many units of the same items for sale,

forming a subset of items for sale;

set a maximum quantity of items requested in said subset associated with said bid;

seal said bid;

reveal said bid;

substitute said items in said subset with an alternative set of items;

removal of said alternative set of items responsive to a sale of said subset of items; and

a media readable by said processing device that stores said instructions.

42. The product for a bargain market auction system of claim 41 wherein said instructions for directing a processing device further comprise:

supporting optimal matching, wherein said optimal matching comprises:

periodic clearing of the bargain market;

combining a goods exchange offer with monetary transfers; and

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executing an algorithm for finding an exchange, said exchange including a preference by a participant to exchange goods exclusively with an assigned partner.

43. The product for a bargain market auction system of claim 41 wherein said instructions for directing a processing device further comprise:

supporting optimal circular matching, wherein said optimal circular matching includes finding maximal circular barter.

44. The product for a bargain market auction system of claim 41 wherein said instructions for directing a processing device further comprise:

altering said ask price at a determined point in time.

45. The product for a bargain market auction system of claim 41 wherein said instructions for directing a processing device further comprise:

receiving a bundle bid from said bidder, wherein said bundle bid includes said bidder choosing another subset of items for sale and placing a bid for said another subset of items for sale.

46. The product for a bargain market auction system of claim 41 wherein said instructions for directing a processing device further comprise:

receiving an offer by said seller of a good in addition to a quantity of money in exchange for another good.



47. The product for a bargain market auction system of claim 41 wherein said instructions for directing a processing device further comprise:

receiving an offer by said seller of a good in exchange for another good in addition to a quantity of money.

48. The product for a bargain market auction system of claim 46 wherein said instructions for directing a processing device further comprise:

receiving a substitute offer;

removal of said substitute offer responsive to acceptance of said offer by said seller of a good in addition to a quantity of money in exchange for another good.

49. The product for a bargain market auction system of claim 47 wherein said instructions for directing a processing device further comprise:

receiving a substitute offer; and

removal of said substitute offer responsive to acceptance of said offer by said seller of a good in exchange for another good in addition to a quantity of money.

50. The product for a bargain market auction system of claim 41 wherein said instructions for directing a processing device further comprise:

clearing the bargain market auction on a periodic basis.

51. The product for a bargain market auction system of claim 41 wherein said instructions for directing a processing device further comprise:

clearing the bargain market auction on a continuous basis.

52. The product for a bargain market auction system of claim 41 wherein said instructions for directing a processing device further comprise:

supporting a one to one bargain market auction.

53. The product for a bargain market auction system of claim 41 wherein said instructions for directing a processing device further comprise:

supporting a one to many bargain market auction.

54. The product for a bargain market auction system of claim 41 wherein said instructions for directing a processing device further comprise:

supporting a many to many bargain market auction.

55. The product for a bargain market auction system of claim 41 wherein said instructions for directing a processing device further comprise:

supporting a combinatorial barter in the bargain market auction.

56. The product for a bargain market auction system of claim 55 wherein said instructions for directing a processing device further comprise:

receiving a first offer of a barter exchange from a first seller, said first offer including a monetary payment of a first quantity;

receiving a second offer of a barter exchange from a second seller, said second offer including a monetary payment of a second quantity, wherein said first quantity is one of greater than said second quantity and equal to said second quantity; and

matching said first seller with said second seller.

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57. A product for a bundle-based auction system comprising:

instructions for directing a processing device to:

receive a list for a plurality of items defining a bundle;

indicate a shared reserve price for said bundle;

receive bids for individual items in said bundle;

sum said bids for individual items in said bundle;

selling said bundle responsive to said sum equaling said shared reserve price;

selling said bundle responsive to said sum exceeding said shared reserve price;

clearing the bundle-based auction responsive to a predetermined clearing time; and

a media readable by said processing device that stores said instructions.

58. The product for a bundle-based auction system of claim 57 wherein said instructions for directing a processing device further comprise:

modifying said shared reserve price for said bundle; and

supplying a message to bidders.

59. The product for a bundle-based auction system of claim 57 wherein said instructions for directing a processing device further comprise:

indicating individual reserve prices for an individual item in said bundle;

and

selling each said individual item responsive to meeting said individual reserve price in the absence of said reserve price being equaled.

60. The product for a bundle-based auction system of claim 57 wherein said instructions for directing a processing device further comprise:

indicating a subset reserve price for at least one subset of individual items in said bundle;

receiving bids for individual items in said at least one subset of said bundle;

summing said bids for individual items in said at least one subset of said bundle; and

selling said at least one subset of said bundle responsive to said sum equaling said subset shared reserve price.

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61. The product for a bundle-based auction system of claim 60 wherein each of said subset reserve prices equals the sum of the individual items in said bundle, an algorithm maximizes a number of goods sold and maintains a revenue for said sale at least as high as said subset reserve price.

62. A product for a tournament auction system comprising:

instructions for directing a processing device to:

receive a plurality of items for sale by a seller;

auction said items sequentially in a series of rounds of bidding, a set of auctioned items for each round of bidding;

receive bids for said set of auctioned items from a plurality of bidders during each round;

allocate each set of auctioned items to at least one of said plurality of bidders at a predetermined round;

admit to each subsequent rounds of bidding a subset of bidders from the previous round according to the bid value placed by each bidder; and  
a media readable by said processing device that stores said instructions.

63. The product for a tournament auction system of claim 62 wherein said bidder pays said bid responsive to being prioritized over other bidders in said last round.

64. The product for a tournament auction system of claim 62 wherein each set of items is allocated immediately after the round in which each set of items are auctioned.

65. A product for a tournament auction system comprising:  
instructions for directing a processing device to:

receive an item for sale by a seller;

auction said item sequentially in a series of rounds of bidding;

receive bids for said auctioned item from a plurality of bidders during each of said series of rounds;

admit to each of a subsequent round of bidding a subset of bidders from a previous round responsive to a bid value placed by each of said plurality of bidders, wherein said subset of bidders are assessed a payment in response to being admitted in each subsequent round; and

a media readable by said processing device that stores said instructions.

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